

Title (en)
ADJUSTABLE GRIPPER HEAD ASSEMBLY

Title (de)
EINSTELLBARE GREIFERKOPFANORDNUNG

Title (fr)
ENSEMBLE TÊTE PRENEUSE RÉGLABLE

Publication
EP 2632807 A4 20140924 (EN)

Application
EP 11836838 A 20111011

Priority
• US 91392010 A 20101028
• US 2011055769 W 20111011

Abstract (en)
[origin: WO2012057996A2] A gripper head assembly for a product processing machine includes a gripper support and a plurality of grippers secured to the gripper support to grip a plurality of product routed through the product processing machine. The gripper head assembly is configured such that a spacing of the plurality of grippers is changeable relative to the gripper support. A product processing machine includes a grid assembly for guiding product to a destination and a gripper head assembly for gripping product and guiding the product into the grid assembly. The gripper head assembly includes a gripper support and a plurality of grippers secured to the gripper support to grip a plurality of product routed through the product processing machine. The gripper head assembly is configured such that a spacing of the plurality of grippers is changeable relative to the gripper support.

IPC 8 full level
B65B 35/16 (2006.01); **B65B 21/06** (2006.01); **B65B 21/18** (2006.01); **B65B 35/36** (2006.01); **B65G 47/68** (2006.01); **B65G 47/90** (2006.01)

CPC (source: EP US)
B65B 21/06 (2013.01 - EP US); **B65B 35/36** (2013.01 - EP US); **B65G 47/907** (2013.01 - EP US); **B65B 21/18** (2013.01 - EP US)

Citation (search report)
• [XY] US 3753589 A 19730821 - HAHN W
• [Y] WO 2005085071 A2 20050915 - STANDARD KNAPP INC [US], et al
• [X] US 5943842 A 19990831 - DE KONING JOHANNES J [US], et al
• [X] EP 0768254 A1 19970416 - SOREMARTEC SA [BE], et al
• [A] EP 1231145 A1 20020814 - OMA SRL [IT]
• See references of WO 2012057996A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012057996 A2 20120503; **WO 2012057996 A3 20120705**; AU 2011320849 A1 20130523; AU 2011320849 B2 20160204;
EP 2632807 A2 20130904; EP 2632807 A4 20140924; EP 2632807 B1 20160831; ES 2604932 T3 20170310; US 2012104782 A1 20120503;
US 8454067 B2 20130604

DOCDB simple family (application)
US 2011055769 W 20111011; AU 2011320849 A 20111011; EP 11836838 A 20111011; ES 11836838 T 20111011; US 91392010 A 20101028